



## Briefing: Community resilience to extreme weather

---

<b>Author(s):</b>	Goodier CI, Wood GA, Shao L
<b>Year:</b>	2008
<b>Journal:</b>	Proceedings of The Ice - Urban Design and Planning. 161 (3): 97-99

---

### Abstract:

The global climate is changing in ways that are likely to have a significant impact on society and the natural and built environments over the coming decades. Extreme weather events, both globally and in the UK, appear to be increasing in frequency and severity, and there is growing concern that the cost of managing them and their impacts will increase. Preparedness and resilience measures can help to mitigate impacts and associated costs to both infrastructure and to people. A new multi-institutional research programme involving 13 universities in the UK called Crew (community resilience to extreme weather) has recently started, which will develop a tool kit to support decision making and will therefore improve the capacity for resilience of local communities to the impacts of future extreme weather. The broad aim is to develop a set of web-based tools for mapping potential future extreme weather events, for assessing their impacts under a range of scenarios, and to evaluate and offer a range of potential coping measures. As part of this the project will identify existing coping measures for dealing with extreme weather events at the levels of the community, buildings and individuals. The work will assess coping measures in terms of their suitability for the climate and buildings in the UK, their effectiveness for risk reduction and technical aspects that may affect their uptake. This will therefore provide the basis for the development of more effective coping measures for the community, including households, small businesses and local policy makers.

**Source:** <http://dx.doi.org/10.1680/udap.2008.161.3.97>

### Resource Description

#### Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience:

audience to whom the resource is directed

Policymaker, Public

#### Early Warning System:

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

# Climate Change and Human Health Literature Portal

A focus of content

## **Exposure :**

weather or climate related pathway by which climate change affects health

Extreme Weather Event, Temperature

**Extreme Weather Event:** Drought, Flooding, Other Extreme Event

**Extreme Weather Event (other):** Strong storms

**Temperature:** Extreme Heat

## **Geographic Feature:**

resource focuses on specific type of geography

Urban

## **Geographic Location:**

resource focuses on specific location

Non-United States

**Non-United States:** Europe

**European Region/Country:** European Country

**Other European Country :** United Kingdom

## **Health Impact:**

specification of health effect or disease related to climate change exposure

Injury

## **Intervention:**

strategy to prepare for or reduce the impact of climate change on health

A focus of content

## **Mitigation/Adaptation:**

mitigation or adaptation strategy is a focus of resource

Adaptation

## **Model/Methodology:**

type of model used or methodology development is a focus of resource

Exposure Change Prediction, Outcome Change Prediction

**Population of Concern:** A focus of content

## **Population of Concern:**

populations at particular risk or vulnerability to climate change impacts

# Climate Change and Human Health Literature Portal

Low Socioeconomic Status

## **Resource Type:**

format or standard characteristic of resource

Research Article

## **Resilience:**

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

## **Timescale:**

time period studied

Time Scale Unspecified

## **Vulnerability/Impact Assessment:**

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content